

**LIGGETT & MYERS TOBACCO CO.**  
**DURHAM, N. C. 27708**

*Battelle Laboratory*

December 9, 1966

Mr. Frederick P. Haas  
General Counsel  
Liggett and Myers Tobacco Co.  
630 Fifth Avenue  
New York, New York 10020

Dear Fred:

This is to confirm our telephone conversation of this morning concerning the proposal for sponsored research by Pacific Northwest Laboratories. It is my opinion that in general the proposal is a good one; however, I feel that it should be divided into stages for the following reasons:

- (1) As proposed this project is very expensive when considered in the light of expected results. The most important part of the proposal would be the development of techniques for measuring extent and site of exposure rather than possible changes in the many different tests to be performed on the subjects over a period of one year. Undoubtedly the extended tests account for a major part of the expense.
- (2) The investigators themselves do not expect any significant results from the latter part of the program.

In view of these two things I would suggest that only the initial part of the program be funded with the expectation of planning the second stage after the successful completion of the first. This second stage could then be planned in such a way as to obtain meaningful results giving due consideration to number of animals, duration of test, and the inclusion of several dose levels.

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Approaching this project from a two stage point of view will not delay important information from the standpoint of early use by the Ad Hoc Committee, but in fact will probably in the long run give more meaningful test results at a much earlier date. Remember that as proposed this pilot experiment is not expected to be completed until July, 1968.

Due to the nature of the program and the critical value of establishing sites and quantities of exposure (a technique which is badly needed in all animal inhalation experiments), it seems to me that this is the kind of program which should be funded in the normal C.T.R. manner rather than for special project funds or Ad Hoc funds.

Yours truly,

RESEARCH DEPARTMENT

*Bill*

William W. Bates, Jr.  
Director

WWB,jr.:bp

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